

Message

From: Hubbard, Carolyn [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=2A93CE3245494318B109E87F7D826284-HUBBARD, CAROLYN]
Sent: 5/2/2018 2:07:54 PM
To: Blackburn, Elizabeth [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a080eb90549a453aaa6a357f5257c0b7-Blackburn, Elizabeth]; Orme-Zavaleta, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3c5a111dc377411595e5b24b5d96146b-Orme-Zavaleta, Jennifer]
Subject: FW: science reform talkers

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From: Grantham, Nancy
Sent: Wednesday, May 02, 2018 10:06 AM
To: Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
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Sent: Wednesday, May 02, 2018 10:05 AM
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Science Reforms Talkers

- New rule will end to the era of secret science at EPA by requiring the agency to ensure that the regulatory science underlying its actions is fully transparent. EPA will only rely on science that is publicly available. This allows for third-parties to test, authenticate, and reproduce scientific findings.
- This proposed rule is part of a larger effort to reform how EPA conducts its own science.
 - Last October, Scott Pruitt issued a new directive today to ensure that any advisors serving on an EPA Federal Advisory Committee (FAC) are independent and free from any real, apparent, or potential interference with their ability to objectively serve as a committee member.
 - The directive explains that: members shall be independent from EPA, which shall include a requirement that no member of any of EPA's federal advisory committees be currently in receipt of EPA grants, either as principal investigator or co-investigator, or in a position that otherwise would reap substantial direct benefit from an EPA grant. This principle would not apply to state, tribal or local government agency recipients of EPA grants. An accompanying memorandum issued by EPA Administrator Pruitt explains the directives to improve the independence and integrity of EPA's FACs in ways that advance the Agency's mission.
 - More here:
<https://www.epa.gov/newsreleases/administrator-pruitt-issues-directive-ensure-independence-geographic-diversity>
- EPA Scientific Integrity Policy, February 2012: "Scientific research and analysis comprise the foundation of all major EPA policy decisions. Therefore, the Agency should maintain vigilance toward ensuring that scientific research and results are presented openly and with integrity, accuracy, timeliness, and the full public scrutiny demanded when developing sound, high-quality environmental science."
- This proposed rule is in line with the scientific community's moves toward increased data sharing to address the "replication crisis," in which a significant proportion of published research may be false or not reproducible. Examples of the current data access provisions for authors publishing in major scientific journals:
 - Science: "All data used in the analysis must be available to any researcher for purposes of reproducing or extending the analysis."
 - Nature: "This policy builds upon our long-standing policy on data availability, which requires that authors make materials, data, code, and associated protocols promptly available to readers without undue qualifications. The preferred way to share large data sets is via public repositories."
 - Proceedings of the National Academy of Sciences: "To allow others to replicate and build on work published in PNAS, authors must make materials, data, and associated protocols, including code and scripts, available to readers."

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